

PRODUCT INFORMATION

PTPRG Target

PTPG; HPTPG; RPTPG; R-PTP-GAMMA **Synonyms**

Recombinant human PTPRG Protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** P23470 **Expression Host HEK293** Tag C-6×His tag

Molecular

Purity

Background

PTPRG(Val20-Glu736) 6×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 79.6 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type

PTP. The extracellular region of this PTP contains

a carbonic anhydrase-like (CAH) domain, which is also found in the extracellular region of PTPRBETA/ZETA. This gene is located in a chromosomal region that is frequently deleted in renal cell carcinoma and lung carcinoma, thus is

thought to be a candidate tumor suppressor gene. [provided by RefSeq, Jul 2008]

Usage Research use only Conjugate Unconjugated

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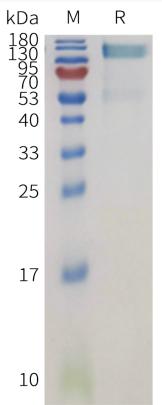


Figure 1. Human PTPRG Protein, His Tag on SDS-PAGE under reducing condition.



